

# Xylitol

## Xylitol production from sugarcane bagasse

Photo: Patrícia Barbosa



**Embrapa**  
Agroenergia



# Xylitol production from sugarcane bagasse

Raw material

**Sugarcane bagasse**

Process

**Heterogeneous catalysis**

End product

**Xylitol**

Xylitol production process from xylose obtained from the hemicellulosic fraction of sugarcane bagasse hydrolysate.

## Applications

- + Food industry.
- + Pharmaceutical industry.

## Advantages

- + Use of renewable and low cost raw material.
- + Conversion of a residue (sugarcane bagasse or other agro-industrial residues) into a molecule with high added value and a well-established market.
- + Adding value to the sugarcane chain, with the use of bagasse in biorefineries.
- + Higher yield of end product when compared to similar processes.

## Stage ► TRL/MRL 4 - Lab scale

Take this  
technology  
to another  
stage



Research  
with us  
for other  
potential  
uses



Make this  
technology  
the basis  
of your  
incubated  
company

Person in charge: **SÍLVIO VAZ JÚNIOR**

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